

**AUTHORIZING THE POSTING OF SIGNS TEMPORARILY PROHIBITING TRUCKS
EXCEEDING 10 TONS ON VILLAGE MAINTAINED ROADS**

WHEREAS, the 625 ILCS 5/15-716 provides when the local authority may restrict the right to use a highway or road under its jurisdiction; and

WHEREAS, the Village of Barrington Hills has accepted such a right so that Village Code Section 9-2-6-3 authorizes the Village President, upon approval of the Board of Trustees by resolution, to prohibit the operation of trucks or other commercial vehicles upon highways or roads under the jurisdiction of the Village for up to ninety (90) days whenever any road or portion thereof will be seriously damaged by such use due to deterioration, rain, snow or other climatic conditions; and

WHEREAS, the Village Engineer has surveyed the roads under the Village's jurisdiction and has determined on or about March 7, 2016, that changing climatic conditions present a high risk of serious damage by operation of vehicles exceeding a gross weight of ten (10) tons; and

WHEREAS, the Village President has directed that all such roads be so posted by March 7, 2016, to temporarily prohibit trucks exceeding ten (10) tons on Village maintained roads.

NOW, THEREOFRE, BE IT RESOLVED by the Board of Trustees of the Village of Barrington Hills, Cook, Kane, Lake and McHenry Counties, Illinois, as a Home Rule municipality, the following:

SECTION ONE: The Board of Trustees finds that the statements made in the preamble to this Resolution are true and correct and hereby adopts such statements as part of this Resolution.

SECTION TWO: The Board of Trustees hereby affirms the posting of Village maintained roads, with signs prohibiting certain vehicles weighing in excess of ten (10) tons gross weight for a period not to exceed ninety (90) days from March 7, 2016.

SECTION THREE: All outstanding overweight permits and the application for such permits shall remain suspended during the effective period of this temporary prohibition.

SECTION FOUR: The Chairman of the Roads and Bridge Committee, upon consultation with the Village Engineer, is hereby authorized to order the removal of said signs and thereby end the prohibition.

SECTION FIVE: If any part or provision of this Resolution shall be held or deemed to be invalid, such invalidity shall not have the affect of rendering another part or provision of this Resolution invalid.

SECTION SIX: This Resolution shall be in full force and affect from and after its passage and approval as provided by law.

Ayes: Nays: Absent:

PASSED AND APPROVED by the President and Board of Trustees of the Village of Barrington Hills, Illinois, this 30th day of March, 2016.

APPROVED:

ATTEST:

Village President

Village Clerk

February 29, 2016

625 Forest Edge Drive, Vernon Hills, IL 60061

TEL 847.478.9700 ■ FAX 847.478.9701

www.gha-engineers.com

Mr. Martin McLaughlin
Village of Barrington Hills
112 Algonquin Road
Barrington Hills, Illinois 60010

Re: 2016 Spring Road Closures
Village of Barrington Hills

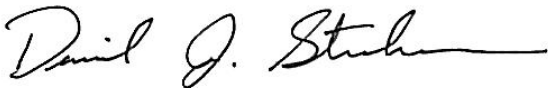
Dear Mr. McLaughlin:

It is time to plan for the closure of Village roads to vehicles with a gross weight in excess of 10 tons. After review of the extended forecast, anticipation of repeated freeze-thaw cycles in the coming weeks, and reviewing the current condition of the Village's roads, our office recommends that the reduced load limits on Village-maintained streets be posted. The anticipated thaw will result in the rapid loss in frost penetration and high moisture contents in the roadway subgrades. This condition will leave Village roads susceptible to damage by vehicles of this weight class.

Our office recommends that all streets be posted with reduced load limits **effective March 7, 2016**.

The length of the closure will be determined by the rate at which the moisture created by the thaw has dissipated and the subgrades are adequately supported. The historical timeframe for the seasonal weight limit reductions is attached for reference as well as documentation of the supporting analysis. If you should have any questions or require additional information, please do not hesitate to contact our office.

Sincerely,
Gewalt Hamilton Associates, Inc.



Daniel J. Strahan, P.E., CFM
Village Engineer

cc: Robert Kosin, Village of Barrington Hills
Brian Cecola, Roads & Bridges Chair

Village of Barrington Hills
Seasonal Posting of Roads
Historical Schedule

Year	Weight Limits Posted	Weight Limits Lifted
1986	March 10, 1986	May 12, 1986
1987	February 18, 1987	April 13, 1987
1988	March 7, 1988	May 3, 1988
	July 28, 1988	August 8, 1988
1989	March 15, 1989	May 3, 1989
1990	February 12, 1990	April 30, 1990
1991	March 1, 1991	May 13, 1991
1992	March 4, 1992	May 4, 1992
1993	March 10, 1993	June 2, 1993
1994	March 14, 1994	May 9, 1994
1995	March 20, 1995	May 26, 1995
1996	March 4, 1996	May 20, 1996
1997	March 10, 1997	May 19, 1997
1998	None	None
1999	February 22, 1999	May 3, 1999
2000	March 6, 2000	May 8, 2000
2001	March 12, 2001	May 7, 2001
2002	March 25, 2002	May 6, 2002
2003	March 24, 2003	May 1, 2003
2004	March 8, 2004	May 3, 2004
2005	March 21, 2005	May 2, 2005
2006	March 13, 2006	May 1, 2006
2007	March 19, 2007	April 30, 2007
2008	March 17, 2008	May 5, 2008
2009	March 16, 2009	May 11, 2009
2010	March 8, 2010	April 26, 2010
2011	March 14, 2011	May 9, 2011
2012	None	None
2013	March 14, 2013	May 6, 2013
2014	March 17, 2014	May 5, 2014
2015	March 16, 2015	May 4, 2015
2016	March 7, 2016	

Village of Barrington Hills
2015-2016 Seasonal Weight Restriction Analysis

Dec.	high	avg	low	FDD	CFDD
<u>1</u>	42.4	39.8	34.2		
<u>2</u>	34.3	32.1	30.2		
<u>3</u>	34.4	33.1	30.2		
<u>4</u>	47.2	37.0	31.1		
<u>5</u>	45.3	35.7	29.8		
<u>6</u>	48.0	37.3	30.0		
<u>7</u>	37.7	32.9	28.8		
<u>8</u>	46.7	41.7	37.1		
<u>9</u>	50.6	44.0	39.2		
<u>10</u>	56.2	48.1	40.0		
<u>11</u>	50.8	45.6	41.1		
<u>12</u>	54.1	48.4	45.6		
<u>13</u>	60.6	58.0	48.1		
<u>14</u>	60.1	49.8	41.6		
<u>15</u>	41.9	39.2	37.5		
<u>16</u>	52.6	41.6	34.0		
<u>17</u>	33.9	30.2	28.0		
<u>18</u>	31.0	26.2	20.5		
<u>19</u>	29.4	21.8	13.5		
<u>20</u>	49.9	39.7	26.1		
<u>21</u>	50.4	43.9	40.0		
<u>22</u>	40.4	37.0	5.0		
<u>23</u>	57.8	51.3	39.9		
<u>24</u>					
<u>25</u>					
<u>26</u>	No Data Available				
<u>27</u>					
<u>28</u>					
<u>29</u>	29.2	28.5	27.4	3.5	3.5
<u>30</u>	29.0	27.3	26.3	4.7	8.2
<u>31</u>	27.0	24.3	21.5	7.7	15.9
Jan.	high	avg	low		
<u>1</u>	29.3	24.3	17.6	7.7	23.6
<u>2</u>	32.2	26.2	19.8	5.8	29.4
<u>3</u>	28.5	25.5	20.9	6.5	35.9
<u>4</u>	31.0	25.5	17.8	6.5	42.4
<u>5</u>	32.7	25.6	17.3	6.4	48.8
<u>6</u>	35.8	31.0	24.4	1	49.8
<u>7</u>	39.7	37.1	34.3	-5.1	44.7
<u>8</u>	41.4	39.4	37.1	-7.4	37.3
<u>9</u>	39.7	32.9	20.4	-0.9	36.4
<u>10</u>	20.2	10.0	0.1	22	58.4
<u>11</u>	22.3	8.7	-3.0	23.3	81.7
<u>12</u>	18.6	8.3	1.8	23.7	105.4
<u>13</u>	14.3	6.2	2.0	25.8	131.2
<u>14</u>	43.1	34.4	20.5	-2.4	128.8
<u>15</u>	40.4	35.5	29.8	-3.5	125.3
<u>16</u>	29.8	22.9	6.1	9.1	134.4
<u>17</u>	6.0	1.5	-2.0	30.5	164.9
<u>18</u>	5.9	1.6	-5.0	30.4	195.3
<u>19</u>	16.6	8.6	-1.0	23.4	218.7
<u>20</u>	22.7	16.7	13.1	15.3	234
<u>21</u>	28.7	19.0	11.1	13	247
<u>22</u>	27.8	23.7	16.9	8.3	255.3
<u>23</u>	32.7	27.2	21.8	4.8	260.1

Village of Barrington Hills
2015-2016 Seasonal Weight Restriction Analysis

<u>24</u>	30.6	26.5	22.7	5.5	265.6
<u>25</u>	38.6	32.8	26.3	-0.8	264.8
<u>26</u>	35.0	28.6	23.7	3.4	268.2
<u>27</u>	32.8	28.8	23.5	3.2	271.4
<u>28</u>	38.3	32.8	27.3	-0.8	270.6
<u>29</u>	35.3	28.0	18.2	4	274.6
<u>30</u>	44.9	38.8	33.8	-6.8	267.8
<u>31</u>	43.8	39.5	32.9	-7.5	260.3

Feb	high	avg	low		
<u>1</u>	44.1	34.0	27.2	-2	258.3
<u>2</u>	37.1	34.7	27.5	-2.7	255.6
<u>3</u>	35.9	33.0	26.7	-1	254.6
<u>4</u>	30.5	25.5	18.1	6.5	261.1
<u>5</u>	32.4	28.3	25.9	3.7	264.8
<u>6</u>	40.5	31.3	23.7	0.7	265.5
<u>7</u>	43.4	37.2	32.2	-5.2	260.3
<u>8</u>	32.4	27.0	19.8	5	265.3
<u>9</u>	19.8	15.3	12.8	16.7	282
<u>10</u>	16.0	11.2	6.9	20.8	302.8
<u>11</u>	20.9	12.8	4.1	19.2	322
<u>12</u>	21.4	16.4	5.6	15.6	337.6
<u>13</u>	16.4	7.6	1.4	24.4	362
<u>14</u>	17.4	12.4	7.3	19.6	381.6
<u>15</u>	26.6	22.8	17.2	9.2	390.8
<u>16</u>	31.4	27.1	23.9	4.9	395.7
<u>17</u>	31.7	25.9	20.8	6.1	401.8
<u>18</u>	41.4	33.0	22.4	-1	400.8
<u>19</u>	60.0	48.6	41.5	-16.6	384.2
<u>20</u>	55.5	46.3	39.0	-14.3	369.9
<u>21</u>	39.9	36.1	28.9	-4.1	365.8
<u>22</u>	43.3	34.3	25.3	-2.3	363.5
<u>23</u>	44.6	35.6	27.3	-3.6	359.9
<u>24</u>	36.0	33.9	31.4	-1.9	358
<u>25</u>	35.3	32.2	30.4	-0.2	357.8
<u>26</u>	32.4	29.9	23.3	2.1	359.9
<u>27</u>	53.4	41.0	27.6	-9	350.9
<u>28</u>	60.4	47.7	35.2	-15.7	335.2
<u>29</u>	54.0	40.0	26.0	-8	327.2

Mar	high	avg	low		
<u>1</u>	27.0	19.5	12.0	12.5	347.7
<u>2</u>	30.0	25.5	21.0	6.5	354.2
<u>3</u>	29.0	25.0	21.0	7	361.2
<u>4</u>	35.0	29.0	23.0	3	364.2
<u>5</u>	41.0	34.0	27.0	-2	362.2
<u>6</u>	47.0	42.5	38.0	-10.5	351.7
<u>7</u>	59.0	53.5	48.0	-21.5	330.2
<u>8</u>	62.0	56.5	51.0		
<u>9</u>	63.0	56.0	49.0		
<u>10</u>					

MDD	CMDD
5.0	5
13.5	18.5
24.5	43
27.5	70.5

- Notes:
1. Threshold value for springtime reduction in weight limits is 400 CFDD; maximum value reach this season is 402
 2. Reduction in weight limits recommended when CMDD (thawing index) rises to 10-25.
 3. All temperature readings shown are values recorded by the Barrington Hills weather station located at the Village Hall, except for temperatures shown for February 29-March 9, which are forecast values.